

**Report Information**

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-FG02-00ER54577	066470972	2011 / 2	Yes

**Award Recipient Information**

<b>Recipient DUNS Number</b> 066470972	<b>Recipient Address 1</b> 107 SAMFORD HALL
<b>Recipient Account Number</b> 219051	<b>Recipient Address 2</b>
<b>Recipient Congressional District</b> 02	<b>Recipient City</b> AUBURN
<b>Parent DUNS Number</b> 066470972	<b>Recipient State</b> AL
<b>Recipient Type</b> 2U.G6.M8.OH.VW	<b>Recipient ZIP Code + 4</b> 368490001
<b>Recipient Legal Name</b> AUBURN UNIVERSITY	<b>Recipient Country</b> USA
<b>Recipient DBA Name</b>	

**Project / Award Information**

<b>Funding Agency Code</b> 8925	<b>Total Number of Sub Awards less than \$25,000/award</b> 0
<b>Awarding Agency Code</b> 8925	<b>Total Amount Sub Awards less than \$25,000/award</b> 0.00
<b>Program Source (TAS) Code</b> 89-0227	<b>Total Number of Sub Awards to Individuals</b> 0
<b>Sub Account Number for Program Source</b>	<b>Total Amount of Sub Awards to Individuals</b> 0.00
<b>CFDA Number</b> 81.049	<b>Total Number of Payments to Vendors less than \$25,000/award</b> 46
<b>Amount of Award</b> 140000.00	<b>Total Amount of Payments to Vendors less than \$25,000/award</b> 71746.70
<b>Award Date</b> 07/19/2010	
<b>Award Description</b> This supplemental award for infrastructure improvements is aimed at providing the PI's laboratory with upgrades to enhance the operational parameters of experiments and new diagnostic systems to improve the University ability to perform scientific measurements. These tools will not only expand our current experimental capabilities, but also lay the groundwork for new investigations.	

**Report Information**

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-FG02-00ER54577	066470972	2011 / 2	Yes

**Project Information**

Project Name or Project/ Program Title	Multi-scale investigation of sheared flows in magnetized plasmas	Activity Codes (NAICS or NTEE-NPC) (up to 10)
Quarterly Activities/ Project Description	<p>a) Providing critical hardware support for the DOE-supported Auburn Linear EXperiment for Instabilities Studies (ALEXIS). In particular, we have made upgrades to the vacuum system and control system of the ALEXIS device. And, we have used funds to improve the performance of an argon-ion / dye laser system used for laser induced fluorescence (LIF) measurements. This is a critical diagnosticsystem that is central to the doctoral research of two current Ph.D. students and likely many more in the following years.</p> <p>b) Providing the funding to support the purchase of a tunable diode-based laser system for LIF studies. This new hardware represents the state-of-the-art in tunable laser diode systems. It has the potential to provide higher output power and more stability than the current dye laser system. The new system was installed in the laboratory in early Dec., 2010 and appears to meet all of our operational criteria.</p> <p>This project is fully completed.</p>	<p><b>Activity Code 1</b> B43 - NTEE</p> <p><b>Activity Code 2</b></p> <p><b>Activity Code 3</b></p> <p><b>Activity Code 4</b></p> <p><b>Activity Code 5</b></p> <p><b>Activity Code 6</b></p> <p><b>Activity Code 7</b></p> <p><b>Activity Code 8</b></p> <p><b>Activity Code 9</b></p> <p><b>Activity Code 10</b></p>
<b>Project Status</b>	Fully Completed	
<b>Total Federal Amount ARRA Funds Received/ Invoiced</b>	138481.68	
<b>Number of Jobs</b>	0.00	
<b>Description of Jobs Created</b>	None	

**Report Information**

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter	Final Report
Grant	DE-FG02-00ER54577	066470972	2011 / 2	Yes

**Total Federal Amount of ARRA Expenditure** 138481.68

**Total Federal ARRA Infrastructure Expenditure** 0.00

**Infrastructure Purpose and Rationale**

**Report Information**

<b>Award Type</b>	<b>Award Number</b>	<b>Prime DUNS</b>	<b>Calendar Year / Quarter</b>	<b>Final Report</b>
Grant	DE-FG02-00ER54577	066470972	2011 / 2	Yes

**Infrastructure Contact**

<b>Name</b>	<b>Street Address 1</b>
<b>Email</b>	<b>Street Address 2</b>
<b>Phone</b>	<b>Street Address 3</b>
<b>Ext</b>	<b>City</b>
	<b>State</b>
	<b>ZIP Code + 4</b>

**Primary Place of Performance**

<b>Address 1</b>	Department of Physics
<b>Address 2</b>	208 Allison Hall
<b>City</b>	Auburn University
<b>Country Code</b>	US
<b>State</b>	AL
<b>ZIP Code + 4</b>	36849 - 0001
<b>Congressional District</b>	02

**Recipient Highly Compensated Officers**

<b>Prime Recipient Indication of Reporting Applicability</b>	No	<b>Officer 3 Name</b>	
<b>Officer 1 Name</b>		<b>Officer 3 Compensation</b>	
<b>Officer 1 Compensation</b>		<b>Officer 4 Name</b>	
<b>Officer 2 Name</b>		<b>Officer 4 Compensation</b>	
<b>Officer 2 Compensation</b>		<b>Officer 5 Name</b>	
		<b>Officer 5 Compensation</b>	

**Report Audit Trail**

<b>Created By</b>	Cindy Selman
<b>Date Created</b>	07/07/2011 12:19 PM
<b>Last Updated By</b>	Cindy Selman
<b>Last Updated On</b>	07/07/2011 12:19 PM

**Report Information**

Award Type	Award Number	Prime DUNS	Calendar Year / Quarter
Grant	DE-FG02-00ER54577	066470972	2011 / 2

**Vendor Information**

<b>Sub Award Number</b>		<b>Payment Amount</b>	65140.00
<b>Vendor DUNS Number</b>	126139489	<b>Product and Service Description</b>	Laser system and periperhals
<b>Vendor Name</b>	TOPTICA Photonics, Inc.		
<b>Vendor HQ ZIP Code + 4</b>	14564 - 1402		

**Report Audit Trail**

<b>Created By</b>	Cindy Selman
<b>Date Created</b>	07/07/2011 12:19 PM
<b>Last Updated By</b>	Cindy Selman
<b>Last Updated On</b>	07/07/2011 12:19 PM